PATENT COOPERATION TREATY

From the INTERN		NAL SEARCHIN	NG AUTHOR	ITY	NS.			
То:						PCT PCT		
·					WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY			
						(PCT Rule 43bis.1)		
L					Date of mailing (day/month/year)	See Form PCT/ISA/210 (sheet 2)		
		igent's file referen	ce		FOR FURTHER A			
		7 SH				See paragraph 2 below		
ľ		oplication No. 2004/003	177	International filing date ((day/month/year)	Priority date (day/month/year) 09.12.2003		
Internati H01			n (IPC) or both	n national classification an	d IPC	•		
Applica TCL		ALCATEL 1	MOBILE	PHONES LIMI	TED	•		
1.	This	pointon contains it	ndications relat	ting to the following items				
	\square	Box No. I	indications relating to the following items:					
		Box No. II	Basis of the opinion					
	\exists		Priority Non-restriction and a second and a					
	\vdash	Box No. III	Non-establishment of opinion with regard to novelty, inventive step and industrial applicability					
	\boxtimes	Box No. IV Box No. V	Lack of unity of invention Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement					
		Box No. VI	Certain documents cited					
		Box No. VII	Certain defects in the international application					
	\boxtimes	Box No. VIII	Certain observations on the international application					
2. FURTHER ACTION If a demand for international preliminary examination is made, this opinion will be considered to be a written International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that writhis International Searching Authority will not be so considered. If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of n								
	PCT/		the expiration	of 22 months from the pr				
3.	For fi	rther details, see	notes to Form	PCT/ISA/220.				
No		:	10 A /ED		LA sale de 1 65			
Name a	nd mail	ing address of the	ISA/EP		Authorized officer			
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Facsimile No.					Telephone No.			

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

1 =

International application No.

PCT/FR2004/003177

Box	No. I	Basis of this opinion
1.		regard to the language, this opinion has been established on the basis of the international application in the language in which it was unless otherwise indicated under this item.
		This opinion has been established on the basis of a translation from the original language into the following language
	_	, which is the language of a translation furnished for the purposes of international search (under
		Rule 12.3 and 23.1(b)).
2.		regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed tion, this opinion has been established on the basis of:
	a.	type of material
		a sequence listing
		table(s) related to the sequence listing
	ь.	format of material
		in written format
		in computer readable form
	c.	time of filing/furnishing
		contained in the international application as filed.
		filed together with the international application in computer readable form.
	!	furnished subsequently to this Authority for the purposes of search.
3.		In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4.	Addit	ional comments:
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		/RITTEN OPINI TIONAL SEARC	International application No. PCT/FR2004/003177		
			nt under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicabil mations supporting such statement		
1.	Statement				
	Novelty (N)	Claims	1-4		YES
h					NO
	Inventive step (IS)	Claims			YES
		Claims			NO
	Industrial applicability (1_1		YES
		Claims			NO
2.	Citations and explanations:				
	Reference is	made to	the following d	ocuments:	
	D1: US	3 2002/0	22459 A1 (KOBAYA	SHI TAKESHI)	
	21	l Februa:	ry 2002 (2002-02	-21)	
	D2: W0	02/1018	875 A (ALLGON MO	BILE COMM AB;	
	OF	ו.ז בעום שרים י	T. TOPSTEN (SEL)	19 December 2002	

The present application fails to comply with the requirements of PCT Article 33(1) since the subject matter of claim 1 does not involve an inventive step as defined in PCT Article 33(3).

(2002-12-19)

Document D1, which is regarded as the prior art closest to the subject matter of claim 1, describes (the references between parentheses apply to this document):

a radio communication terminal (figure 2) comprising a housing consisting of a front shell (figure 2; 3) and of a rear shell (figure 2; 2) enclosing:

- a printed circuit card extending parallel

Box No. V

Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

- to the rear shell and to the front shell (figure 2; 6),
- an energy accumulator placed in a first dedicated space, exhibiting an upper surface extending in a plane parallel to the rear shell (figure 2; 4),
- a patch antenna placed in a second space situated between the rear shell and the printed circuit card, the said second space being contiguous with the first space, the said antenna being connected to the energy accumulator via the printed circuit card (fig. 2),
- the terminal comprises a vacant space around the energy accumulator (figure 2)

Consequently, the subject matter of claim 1 differs from this known document D1 in that:

the energy accumulator is placed in a first dedicated space situated between the rear shell and the printed circuit card and in that a second space occupied by the said antenna extends over at least a part of this vacant space.

The problem that the present invention is intended to solve can thus be considered to be how to miniaturize a radio communication terminal.

The solution to this problem, as proposed in claim 1 of the present application, is not considered to

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Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

involve an inventive step (PCT Article 33(3)), for the following reasons:

Document D2 presents a radio communication terminal where, for reasons of miniaturization, the antenna overhangs the space of the energy accumulator (see figure 4).

2. In dependent claims 2 to 4, slight constructional changes in the device of figure 4 of document D1 are defined which come within the scope of the customary practice followed by persons skilled in the art, especially as the advantages thus achieved can readily be foreseen. In consequence, the subject matter of these claims does not involve an inventive step either.

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Box No. VIII

Certain observations on the international application

The following observations on the clarity of the claims, description, and drawings or on the question whether the claims are fully supported by the description, are made:

- 1. The application fails to comply with the requirements of PCT Article 6, claims 1 and 2 not being clear. According to the claims, it is the space which surrounds the antenna which extends in part or totally over the space occupied by the energy accumulator. Outside, according to the description, it follows therefrom that it would be the antenna itself which occupies a part or the whole of the space defined around the accumulator.
- 2. Contrary to the requirements of PCT Rule 5.1(a)(iii), the relevant prior art disclosed in documents D1 and D2 is not mentioned in the description, nor are these documents identified therein.

Form PCT/ISA/237 (Box VIII) (January 2004)